

**AMENDMENTS TO THE CLAIMS**

Claims 1-7. (Cancelled)

8. (Currently amended) A method of preparing a composition for dermatological application, comprising:

extracting blood from a patient;

concentrating platelets from the blood to obtain platelet-rich plasma (PRP);

adding a skin permeation enhancer to the PRP to form a PRP composition,  
wherein the PRP composition is prepared without adding an exogenous activator;

combining the PRP composition with a pharmaceutically acceptable carrier for topical application to skin, thereby forming the composition for dermatological application,

wherein the composition for dermatological application is prepared without adding an exogenous activator.

9. (Cancelled)

10. (Currently amended) The method of claim 8, wherein the carrier is an injectable carrier ~~and is combined with a component chosen from collagen, cultured cells, and mixtures thereof.~~

Claims 11-45. (Cancelled)

Claim 46. (Previously presented) The method of claim 8, wherein the acceptable carrier comprises a transdermal patch.

Claim 47. (Previously presented) The method of claim 46, wherein the transdermal patch comprises a permeable membrane.

Claim 48. (Previously presented) The method of claim 46, wherein the PRP composition is homogenously dispersed on the patch.

Claim 49. (Previously presented) The method of claim 46, wherein the patch further comprises an adhesive polymer matrix.

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Claim 50. (Currently amended) The method of preparing a transdermal patch of claim 46 comprising:

applying the PRP composition to an impermeable support film on the transdermal patch; and

applying a permeable membrane to the platelet-PRP composition on the opposite side to the impermeable support film, wherein the permeable membrane is permeable to the platelets in the PRP composition.

Claim 51. (Cancelled)